

SEQUENCE LISTING

<110> New England Biolabs, Inc.
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<120> Restriction Enzyme Gene Discovery Method

<130> Gene Discovery Method

<140> PCT/US99/13295

<141> 1999-06-11

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<170> PatentIn Ver. 2.0

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<210> 5
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 <212> DNA
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<220>
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 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

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<210> 6
 <211> 87
 <212> DNA
 <213> Unknown

<220>
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 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

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<400> 6
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<210> 7
 <211> 88
 <212> DNA
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<220>
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gcggccgccc cttagccaaa cgtttaggt 88

<210> 8
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 8
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<210> 9
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 9
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ttgcctgccc gtttagcttaa tcgttaggc 89

<210> 10
<211> 76
<212> DNA
<213> Unknown

<220>
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<400> 10
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agcttaatcg ttaggt 76

<210> 11
<211> 77
<212> DNA
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<220>
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<400> 11
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ttaaccaaac gtttaggc 77

<210> 12
<211> 76
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 12
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tagccaaacg ttaggt 76

<210> 13
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 13
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<210> 14
<211> 76
<212> DNA
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 14
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taaccaaacg ttaggc 76

<210> 15
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 15
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ttgctgccc gttagcttaa tcgttataa 89

<210> 16
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
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<400> 16
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tagcttaatc gttaaatt 77

<210> 17
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 17
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ttgtctgccc gttagcttaa tcgttaggg 89

<210> 18
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 18
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cttaacacaaa cgtagag 78

<210> 19
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 19
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ttaacacaaac gtaggc 77

<210> 20
<211> 88
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 20
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tgctcgccgg ttagctcaaa cgtaggc 88

<210> 21
<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 21
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ttaaccaaac gtaggc 77

<210> 22
<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 22
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ttaaccaaac gtaggc 77

<210> 23
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 23
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cttaacaaa cgtaggt 78

<210> 24
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 24
acctaacaat tgggtcaagt cggtcgcttc gctcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gtaggc 77

<210> 25
<211> 76
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 25
gcctaacaac tggttcaagt cactcgcttc gctcgcttcgg gaccggcata gccggcccct 60
taaccaaacg ttaggt 76

<210> 26
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 26
gcctaacaat gcgttcaagt cgctcgcttc actcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gttaggt 77

<210> 27
<211> 90
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 27
acctaacaaa cgtttcaagt tcgttcgctt cgctcactcc ggacgcccgc aagctacgct 60
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<210> 28
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 28
gcctaacaat acgctcaact atcgctcact tcgttcgctg gacgtccaaa agctgcgctt 60
ttggccgccc gttagcttaa ccgttatgt 89

<210> 29
<211> 89
<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 29
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ttgcctgccc gttagcttaa tcgttaggc 89

<210> 30

<211> 89

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 30
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ttgtctgccc gttagcttaa tcgttaggc 89

<210> 31

<211> 89

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 31
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ttggccgccc gttagcttaa tcgttaggc 89

<210> 32

<211> 76

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 32
gcctaacaac tgggttcaagc cactcgcttc gctcgctcgg gaccgcgtag cgcgggccct 60
taaccaaaacg ttgggc 76

<210> 33

<211> 78

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of

Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 33
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cttaacacaaa cgtagggg 78

<210> 34
<211> 75
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 34
gcctaacaac tggttcaaat cgctcgctcc gctcgctggg accggcgaag ccggcccctt 60
aaccaaacgt taggc 75

<210> 35
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 35
gcctaacaat gcgctcaaag cgctcaattc gttcgctggg accggcgaag ccggcccctt 60
agcttaatcg ttaggt 76

<210> 36
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 36
acctaacaat gcgctcaact gtcgctcact tcgttcgctg gacagtcaaa agctgcgctt 60
ttgcctgccc gttagcttaa tcgttagcg 89

<210> 37
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 37
cgctaacaat tcgctgcagg cgcgacggcc ctgacgggcc gcggcctgag ctcaaacggt 60

ataa

<210> 38
 <211> 78
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 38
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 cttaaccaa cgtaggc 78

<210> 39
 <211> 78
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 39
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 ttagcttaat cgtaggc 78

<210> 40
 <211> 77
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 40
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 ttaaccaaac gtaggc 77

<210> 41
 <211> 77
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 41
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 ttaaccaaac gtaggc 77

<210> 42
 <211> 76

<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 42
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taaccaaacg ttatgc 76

<210> 43
<211> 87
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 43
gcataacaat tggctcaagc cgctcgctcc gtcactcgg acgtccgtaa gctacgcttc 60
cgccgcccc ttagccaaac gttagg 87

<210> 44
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 44
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cttaacaaa cgttaggc 78

<210> 45
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 45
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ttgcctgccc gttagcttaa tcgttagag 89

<210> 46
<211> 77
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 46
ctctaacaat gcgctcaaat cgctcactac gttcgctggg accggctaaa gccggcccct 60
tagcttaatc gttagag 77

<210> 47
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 47
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cttaacaaaa cgttaggg 78

<210> 48
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 48
ccctaacaaa tggttcaagt cactcgcttc gctcgcttcg gaccggctaa agccggcccc 60
ttaaccaaac gttagag 77

<210> 49
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 49
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cttaacaaaa cgttaggc 78

<210> 50
<211> 88
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 50

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 ttggccgccc cttagccaaa cgttaggg 88

<210> 51
 <211> 78
 <212> DNA
 <213> Unknown

<220>
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<400> 51
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 cttaaccaaa cgttaggg 78

<210> 52
 <211> 79
 <212> DNA
 <213> Unknown

<220>
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 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 52
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 ccttaaccaa acgttaggg 79

<210> 53
 <211> 89
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 53
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 tccggtgccg gttactttca acgttaggg 89

<210> 54
 <211> 76
 <212> DNA
 <213> Unknown

<220>
 <223> Description of Unknown Organism: Genomic DNA of
 Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 54
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 agcttaatcg ttagaa 76

<210> 55

<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 55
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ttaaccaaac gttagcc 77

<210> 56
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 56
ggctaacaat gcgctcaact gtcgctcact tcggtcgctg gacagccaaa agctacgctt 60
ttgtctgccc gttagcttaa tcgttagga 89

<210> 57
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 57
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taaccaaagc ttgggc 76

<210> 58
<211> 89
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 58
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ttggccgccc gttagcttaa tcgttatgc 89

<210> 59
<211> 78
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 59
gcataacaat tgattcaagt cgttcgcttc gctcactgcg ggaccggcta aagccggccc 60
cttaacaaaa cgttaggc 78

<210> 60
<211> 76
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 60
gcctaactac tgggtcaagt cactcgcttc gctcgcttcgg gaccgcgcttc cgcggcccct 60
taaccaaacg ttaggc 76

<210> 61
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 61
atctaacaat tgggtcaagt cgttcgcttc gctcactcgg gaccggcgaa gccggcccct 60
tagccaaacg ttatgc 76

<210> 62
<211> 87
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 62
gcataacaat tgggtcaagc cgctcgctcc gctcactcgg acgtccgtaa gctacgcttc 60
cggccgcccc ttagccaaac gttaggc 87

<210> 63
<211> 77
<212> DNA
<213> Unknown

<220>
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Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 63
gcctaacaaa tggttcaagt cgttcgcttc gctcactcgg gaccgggctaa agccggcccc 60
ttaaccaaac gttaggc 77

<210> 64
<211> 72
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 64
gcctaactat tcagtcaagc ggacgcaaac cccgctgcgc ggtctttgcg ccgcttatct 60
caagcgttag at 72

<210> 65
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 65
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ttaaccaaac gttagag 77

<210> 66
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 66
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taaccaaagc ttagag 76

<210> 67
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 67
ctctaacaat tggttcagat cgttcgcttc gctcactcgg ggaccggctg aagccggccc 60
cttaaccaa cgtaggc 78

<210> 68
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 68
gcctaactac tggttcaagt cgttcgcttc gtcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gttaggc 77

<210> 69
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 69
gtctaacaat gcgctcaaag cgctcacttc gttcgctggg atcggctaaa gccggcccct 60
tagcttaatc gttagca 77

<210> 70
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 70
tgctaacaat gcgcttaact gtcgctcact tcgttcgctg gatagtcaaa agctgcgctt 60
ttgtctgtcc gttagcttaa tcgtaggc 89

<210> 71
<211> 74
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 71
gcctaacaac tggttcaaat cgctcgctcc gtcgctggg accggcatag ccggccctta 60
accaagcggtt agat 74

<210> 72
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 72
atctaacaat tggttaaaac cgttcgcttc gtcactggg accggctaaa gccggcccct 60
taaccaaacg ttaggt 76

<210> 73
<211> 76
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 73
gtttaacaac tggttcaagc cgctcgcttc gtcactcgg gaccggctaa attcggcccc 60
ttagcaaacg ttaact 76

<210> 74
<211> 78
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 74
atctaacaat tggttcaagt cgctcgcttc gtcactcgg gaccggctaa agccggcccc 60
ttaaaccaag cgttatgc 78

<210> 75
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 75
gtataacaat tggttcaagt cactcgcttc gtcgctcgg gaccggctaa agccggcccc 60
ttaaccaaac gttatg 77

<210> 76
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 76
gcataacaag tcgctcaaatt cgctcacttc gtttcgctgg gacgggctaa agcccgcccc 60
ttagcttatt gttaggc 77

<210> 77
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 77
gcctaacaaa tgggtcaagc cgttcgcttc gctcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gttagac 77

<210> 78
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA of
Pseudomonas Alcaligenes NEB #585 (ATCC 55044)

<400> 78
ctctaacaaa tgggtcaagc cgttcgcttc gctcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gttagac 77

<210> 79
<211> 52
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 79
tcgcttcgct cactgcggga ccggctaaag ccggcccctt aaccaaact ta 52

<210> 80
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 80
taacaattgg ttcaagtcgt tcgcttcgct cactgcggga ccg 43

<210> 81
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 81
taactattca gtcaagcgga cgcaaaccgc gctgcgcggt ctt

43

<210> 82
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 82
taacaatgcg ctcaactgcg ctcaacttcgt tcgctggaca gcc

43

<210> 83
<211> 43
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 83
taacaagtcg ctcaactgcc gctcactcgt tcgctggaca gcc

43

<210> 84
<211> 19
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 84
gccccttaac caaacgtta

19

<210> 85
<211> 20
<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 85
ccgagtgagc gaagcgagcg

20

<210> 86
<211> 33
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 86
aaactcgagg gtcccagtg agcgaagcga gcg

33

<210> 87
<211> 33
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 87
aaactcgagg gtcccagcg agcgaagcga gcg

33

<210> 88
<211> 33
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 88
aaactcgagg ctgtccagcg agcgaagcga gcg

33

<210> 89
<211> 33
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic

Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 89
aaactcgaga ccgcgacgagc ggggtttgcgt ccg

33

<210> 90
<211> 31
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 90
tgctctagac ggccccttaa ccaaacgtta g

31

<210> 91
<211> 35
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide based on Pseudomonas Alcaligenes
NEB#585 (ATCC 55044)

<400> 91
tgctctagac ggccgcccgt tagcttaatc gttag

35

<210> 92
<211> 60
<212> DNA
<213> Unknown

<220>
<223> Position 2 & 60 - Y = C or T; Position 51 & 59 -
R = A or G

<220>
<223> Description of Unknown Organism: Consensus
sequence

<400> 92
gyctaacaat tcgttcaagc cgacgccgct tcgcggcgcg gcttaactca rgcgtagry 60

<210> 93
<211> 7
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 4, 5 & 6 - R = A or G; Position 7 - Y = C
or T

7

<400> 93
gttrrry

<210> 94
<211> 7
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 1 - R = A or G; Position 2, 3 & 4 - Y = C
or T

7

<400> 94
ryyyaac

<210> 95
<211> 6
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
sequence

<220>
<223> Position 5 - R = A or G; Position 6 - Y = C or T

6

<400> 95
ttagry

<210> 96
<211> 24
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

24

<400> 96
taacataccc ctgcgttaaa cggt

<210> 97
<211> 40
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

40

<400> 97
taacagtcaa cgtcctcgtc ctgcgccctt acaacgttag

<210> 98
<211> 74
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 98
ctaacaattg gttcaagtcg ctgcgttcgc tcgctcggga ccggctaaag ccggcccctt 60
aaccaaactg tagg 74

<210> 99
<211> 19
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

19

<400> 99
gccagatggc ggccgttta

<210> 100
<211> 5
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

5

<400> 100
tctac

<210> 101
<211> 33
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

33

<400> 101
gccctatgac agaaaacgct tttttgccgg ttt

<210> 102
<211> 10
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 102
ccaacgtccg

10

<210> 103
<211> 4
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 103
atag

4

<210> 104
<211> 9
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 104
tcatcgtcc

9

<210> 105
<211> 21
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 105
cccacgactt aacgcttgcc g

21

<210> 106
<211> 3
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 106

ata

3

<210> 107

<211> 28

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

28

<400> 107

tcagggaaaa ccgcgttttg ccgttcga

<210> 108

<211> 5

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

5

<400> 108

ctgaa

<210> 109

<211> 6

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

6

<400> 109

gatagg

<210> 110

<211> 4

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

4

<400> 110

tcta

<210> 111

<211> 5

<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 111
actaa

5

<210> 112
<211> 18
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 112
gccagatgtc ggccgttt

18

<210> 113
<211> 36
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 113
gcctctatga tagtaaaagc gcttttttgt cggttt

36

<210> 114
<211> 6
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 114
cactga

6

<210> 115
<211> 5
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 115
aacta

5

<210> 116
<211> 8
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Genomic DNA Of
Pseudomonas Alcaligenes NEB#585 (ATCC 55044)

<400> 116
ccattgga

8

<210> 117
<211> 30
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 117
taactactct cctcgagccg ccctccgtta

30

<210> 118
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 118
ctaacaatggt tcaagcttcg ctactggga ccggctaaag ccggcccctt aaccaaact 60
tagg 64

<210> 119
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 119
gcctaacaat tgggtcaagc cgttcgcttc gctcactcgg gaccggctaa agccggcccc 60
ttaaccaaac gttaggc 77

<210> 120
<211> 32
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Consensus
Sequence

<400> 120
aacgtcaacc tccgtctggc cggccttacg tt

32

<210> 121
<211> 50
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 121
aacaggttca acctcctcgc tctgggaccg ccggccctta ccaaacgttg

50

<210> 122
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 122
gcctaacaac tggttcaagt cgctcgcttc gctcgctcgg gaccggctaa agccggcccc 60
ttaaccaaac gttaggg 77

<210> 123
<211> 45
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 123
aacacgctaa ccgctcctcg tcgctggagc gcgcttagcta cgtaa

45

<210> 124
<211> 75
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 124
ctaacaatgc gctcaactcg ctcaacttcgt tcgctggacc aaaagctcgc ttttggcccg 60
ttagcttaat cgtaa 75

<210> 125
<211> 89
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 125
acctaacaat gcgctcaact gtcgctcact tcgttcgctg gacagccaaa agctgcgctt 60
ttgcctgccc gttagcttaa tcgttaggc 89

<210> 126
<211> 49
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 126
taacacgctc aacgtcctcg tcctggggca agccgccctt agctcgta 49

<210> 127
<211> 64
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 127
taacaagcgc tcaaacgctc ctctogctgct gggacggcaa gccgcccctt agcttaatcg 60
ttag 64

<210> 128
<211> 77
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Consensus
Sequence

<400> 128
gcctaacaat gcgctcaaag cgctcacttc gttcgctggg accggctaaa gccggcccct 60
tagcttaatc gttagggt 77

<210> 129
<211> 78
<212> DNA
<213> Unknown

<220>

<223> Description of Unknown Organism: Consensus
Sequence

<400> 129

gcctaacaat tggttcaagg tcgctcgctt cgctcactcg ggaccggcta aagccggccc 60
cttaaccaa cgtaggc 78

<210> 130

<211> 78

<212> DNA

<213> Unknown

<220>

<223> Description of Unknown Organism: Consensus
Sequence

<400> 130

gcctaacaat tggttcaagg tcgctcgctt cgctcactcg ggaccggcta aagccggccc 60
cttaaccaa cgtaggc 78